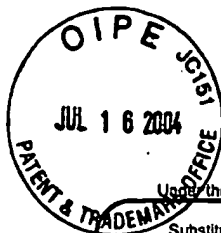


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 16

Complete if Known

Application Number	09/713,545
Filing Date	November 15, 2000
First Named Inventor	Van Gelder, et al
Art Unit	1636
Examiner Name	Gerald G. Leffers Jr., Ph.D.
Attorney Docket Number	112133.00003

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
<i>DD2</i>	1	US- 3,007,780	02/19/63	Takatsy	
<i>DD2</i>	2	US- 3,252,331	05/24/66	Lancaster	
<i>DD2</i>	3	US- 4,357,421	11/02/82	Emtage et al	
<i>DD2</i>	4	US- 4,503,151	03/05/85	Paddock	
<i>DD2</i>	5	US- 4,661,450	04/28/87	Kempe et al	
<i>DD2</i>	6	US- 4,683,195	07/28/87	Mullis et al	Duplicate Reference
<i>DD2</i>	7	US- 4,683,202	07/28/87	Mullis	Duplicate Reference
<i>DD2</i>	8	US- 4,738,669	4/19/88	Vlock	
<i>DD2</i>	9	US- 4,959,313	9/25/90	Taketo	
<i>DD2</i>	10	US- 4,965,188	10/23/90	Mullis et al	Duplicate Reference
<i>DD2</i>	11	US- 4,987,783	01/01/91	Augenlicht	
<i>DD2</i>	12	US- 5,021,335	06/04/91	Tecott et al	
<i>DD2</i>	13	US- 5,057,410	10/15/91	Kawasaki et al	Duplicate Reference
<i>DD2</i>	14	US- 5,430,238	07/14/92	Malek et al	Duplicate Reference
<i>DD2</i>	15	US- 5,409,818	04/25/95	Davey et al	Duplicate Reference
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
<i>DD2</i>	1	WO 88/01302	02/25/88	Gingeras et al		
<i>DD2</i>	2	WO 88/10315	12/29/88	Gingeras et al	Duplicate Reference	
<i>DD2</i>	3	WO 89/01050	02/09/89	Burg et al	Duplicate Reference	
<i>DD2</i>	4	WO 90/06995	06/28/90	Gingeras et al		
<i>DD2</i>	5	EP 0052002	5/19/82	Tacon et al		
<i>DD2</i>	6	EP 0062971	10/20/82	Atherton et al		

Examiner
Signature

Gerald G. Leffers Jr.

Date
Considered

4-4-2005

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	2	of	16
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Complete if Known

Application Number	09/713,545
Filing Date	November 15, 2000
First Named Inventor	Van Gelder et al
Group Art Unit	1636
Examiner Name	Gerald G. Leffers Jr., Ph.D.
Attorney Docket Number	112133.00003

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
140	7	EP	0118977		Fiers	09/19/84		
	8	EP	0158892		Ueda et al	10/23/85		
	9	EP	0173378		Ledeboer et al	03/05/86		
	10	EP	0176916		Ueda et al	04/09/86		
	11	EP	0186069		Bujard et al	07/02/86		
	12	EP	0195303		Grandi et al	09/24/86		
	13	EP	0197558		Ueda et al	10/15/86		
	14	EP	0200362		Mullis et al	12/10/86		
	15	EP	0206769		Ueda et al	12/30/86		
	16	EP	0207459		Bujard et al	01/07/87		

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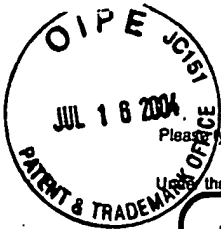
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	09/713,545		
		Filing Date	November 15, 2000		
		First Named Inventor	Van Gelder, et al		
		Art Unit	1636		
		Examiner Name	Gerald G. Leffers Jr., Ph.D.		
Sheet	4	of	16	Attorney Docket Number	112133.00003

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AAO	1	Butler, E.T. et al. "Bacteriophage SP6-specific RNA Polymerase," (1982) J. of Biol. Chem. 257(10): 5772-5778.	
AAO	2	Cha, T. et al. "Studies of the DNA Helicase-RNA Primase Unit from Bacteriophage T4," (1986) J. of Biol. Chem. 261(15): 7001-7010.	
AAO	3	Chu, B.C.F. et al. "Synthesis of an Amplifiable Reporter RNA for Bioassays," (1986) Nucleic Acids Res. 14(14): 5591-5603.	
AAO	4	COUTLEE, F. et al. "Immunodetection of DNA with Biotinylated RNA Probes: A Study of Reactivity of a Monoclonal Antibody to DNA-RNA Hybrids," (1989) Analytical Biochem. 181: 96-105	
AAO	5	COVA, L. et al. "Use of cRNA Probes for the Detection of Enteroviruses by Molecular Hybridization," (1988) J. of Med. Virology 24: 11-18.	
AAO	6	DALESSIO, J.M. et al. "Second-Strand cDNA Synthesis with EColi DNA Polymerase I and RNase H: The Fate of Information at the mRNA 5' Terminus and the Effect of E.Coli DNA Ligase," (1988) Nucleic Acids Res. 16(5): 1999-2014.	
AAO	7	DEAN, R.R. et al. "Narcolepsy Without Unique MHC Class II Antigen Association: Studies in the Canine Model," (1989) Human Immunology 25: 27-35.	
AAO	8	DEINIGER, P.L. "Full-Length cDNA Clones: Vector-Primed cDNA Synthesis," (1987) In Methods in Enzymology Volume 152 Guide to Molecular Cloning, Berger, S.L. et al. eds. Academic Press Inc. San Diego pp. 371-389	
AAO	9	DENNY, P. et al. "Oligo-Riboprobe," (1988) Histochemistry 89: 481-483.	
AAO	10	DEVOS, R. et al. (1988). "Slippage of DNA Polymerase I During Synthesis of ds-cDNA," (1988) Nucleic Acids Res. 16(4): 1630.	

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		Application Number	09/713,545
Sheet	5	of	16
		Filing Date	November 15, 2000
		First Named Inventor	Van Gelder, et al
		Group Art Unit	1636
		Examiner Name	Gerald G. Leffers Jr., Ph.D.
		Attorney Docket Number	112133.00003

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11	Butler, E.T. et al. "Bacteriophage SP6-specific RNA Polymerase," (1982) J. of Biol. Chem. 257(10): 5772-5778	
	12	Cho, T. et al. "Studies of the DNA Helicase-RNA Primase Unit from Bacteriophage T4," (1986) J. of Biol. Chem. 261(15): 7091-7096	
	13	Chu, B.C.F. et al. "Synthesis of an Amplifiable Reporter RNA for Bioassays," (1986) Nucleic Acids Res. 14(14): 5691-5603.	
	14	COUTLEE, F. et al. "Immunodetection of DNA with Biotinylated RNA Probes: A Study of Reactivity of a Monoclonal Antibody to DNA-RNA Hybrids," (1989) Analytical Biochem. 181: 96-105.	
	15	COVA, L. et al. "Use of cRNA Probes for the Detection of Enteroviruses by Molecular Hybridization," (1988) J. of Med. Virology 24: 11-18.	
	16	DALESSIO, J.M. et al. "Second-Strand cDNA Synthesis with E.Coli DNA Polymerase I and RNase H: The Fate of Information at the mRNA 5' Terminus and the Effect of E.Coli DNA Ligase," (1988) Nucleic Acids Res. 16(5): 1999-2014.	
	17	DEAN, R.R. et al. "Narcolepsy Without Unique MHC Class II Antigen Association: Studies in the Canine Model," (1989) Human Immunology 25: 27-35.	
	18	DEINIGER, P.L. "Full-Length cDNA Clones: Vector-Primed cDNA Synthesis," (1987) In Methods in Enzymology Volume 152 Guide to Molecular Cloning, Berger, S.L. et al. eds., Academic Press, Inc., San Diego. pp. 371-389.	
	19	DENNY, P. et al. "Oligo-Riboprobes," (1988) Histochemistry 89: 481-483.	
	20	DEVOS, R. et al. (1988). "Slippage of DNA Polymerase I During Synthesis of ds-cDNA," (1988) Nucleic Acids Res. 16(4): 1630.	
	21	DOHERTY, P.J. et al. "Rapid Amplification of Complementary DNA from Small Amounts of Unfractionated RNA," (1989) Analytical Biochemistry 177: 7-10.	

All Duplicates Page 4 This FDS

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Examiner Signature	Date Considered
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		Application Number	09/713,545
Sheet	6	of	16
		Filing Date	November 15, 2000
		First Named Inventor	Van Gelder, et al
		Group Art Unit	1636
		Examiner Name	Gerald G. Leffers Jr., Ph.D.
		Attorney Docket Number	112133.00003

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ²	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
GD	22	DUNN, T.J. et al. "Phenobarbital-Inducible Aldehyde Dehydrogenase in the Rat," (1989) J. of Biol. Chem. 264(22): 13057-13065.	
	23	EBERWINE, J.H. et al. "Glucocorticoid Regulation of Pro-Opiomelanocortin Gene Transcription in the Rat Pituitary," (1984) J. of Biol. Chem. 269(4): 2166-2170.	
	24	EBERWINE, J.H. et al. "Isolation of Enzyme cDNA Clones by Enzyme Immunodetection Assay: Isolation of a Peptide Acetyltransferase," (1987) Proc. Natl. Acad. Sci. USA 84: 1449-1453.	
	25	ENDO, F. et al. "Primary Structure and Gene Localization of Human Prolidase," (1989) J. of Biol. Chem. 264(8): 4476-4481.	
	26	FEINBERG, A.P. et al. "A Technique for Radiolabeling DNA Restriction Endonuclease Fragments to High Specific Activity," (1983) Analytical Biochem. 132: 6-13.	
	27	FOSTER, J.L. et al. "Cloning, Sequence, and Expression of the Drosophila cAMP-Dependent Protein Kinase Catalytic Subunit Gene," (1988) J. of Biol. Chem. 263(4): 1676-1681.	
	28	FOUTZ, A.S. et al. "Genetic Factors in Canine Narcolepsy," (1979) Sleep. 1(4): 413-422.	
	29	FRADKIN, L.G. et al. "Primer-Dependent Eukaryotic RNA Polymerase Capable of Accurate Transcription from the Adenovirus Major Late Promoter in a Reconstituted System," (1985) Proc. Natl. Acad. Sci. USA 82: 7979-7983.	
	30	FRECH, G.C. et al. "Construction of Directional cDNA Libraries Enriched for Full-Length Inserts in a Transcription-Computer Vector," (1989) (PubMed Abstract) Gene Anal. Tech. 6(2): 33-38.	
	31	FROHMAN, M.A. et al. "Rapid Production of Full-Length cDNAs from Rare Transcripts: Amplification Using a Single Gene-Specific Oligonucleotide Primer," (1988) Proc. Natl. Acad. Sci. USA 85: 8998-9002.	
	32	FULLER, C.W. et al. "Initiation of DNA Replication at the Primary Origin of Bacteriophage T7 by Purified Proteins," (1985) J. of Biol. Chem. 260(5): 3185-3196.	

Examiner Signature	<i>Gerald G. Leffers Jr.</i>	Date Considered	4-4-2005
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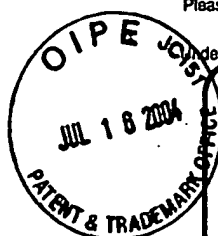
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 7 of 16

Complete if Known

Application Number	09/713,545
Filing Date	November 15, 2000
First Named Inventor	Van Gelder, et al
Group Art Unit	1636
Examiner Name	Gerald G. Leffers Jr., Ph.D.
Attorney Docket Number	112133.00003

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AAO	33	GAUBATZ, J. et al. "Strategies for Constructing Complementary DNA for Cloning," (1982) J. Theor. Biol. 95: 679-696.	
	34	GAUBATZ, J. et al. (1985). "Displacement Synthesis of Globin Complementary DNA: Evidence for Sequence Amplification," (1985) Biochimica et Biophysica Acta 825: 175-187.	
	35	GINGERAS, T.R. et al. "Nucleotide Sequences from the Adenovirus-2 Genome," (1982) J. of Biol. Chem. 267(22): 13475-13491.	
	36	GINGERAS, T.R. et al. (1987). "Hybridization Properties of Immobilized Nucleic Acid," (1987) Nuc. Acids Res. 15(13) 5373-5390.	
	37	GOODMAN, T.C. et al. "Effects of Neighboring DNA Homopolymers on the Biochemical and Physical Properties of the Escherichia coli Lactose Promoter," (1982) J. of Biol. Chem. 257(21): 12970-12978.	
	38	GOPALAKRISHNA, Y. et al. "The Synthesis of DNA Complementary to Polyadenylate-Containing RNA from Bacillus Subtilis," (1982) J. of Biol. Chem. 257(6): 2747-2750.	
	39	GOULD, S.J. et al. (1989). "Use of the DNA Polymerase Chain Reaction for Homology Probing: Isolation of Partial cDNA or Genomic Clones Encoding the Iron-Sulfur Protein of Succinate Dehydrogenase from Several Species," (1989) Proc. Natl. Acad. Sci. USA 86: 1934-1938.	
	40	GRUOL, D.L. et al. "Multiple Voltage-Sensitive K ⁺ Channels Regulate Dendritic Excitability in Cerebellar Purkinje Neurons," (1989) (PubMed Abstract) Neurosci. Lett. 97(1-2): 97-102.	
	41	GUATELLI, J.C. et al. "Nucleic Acid Amplification In Vitro: Detection of Sequences with Low Copy Numbers and Application to Diagnosis of Human Immunodeficiency Virus Type 1 Infection," (1989) Clin. Microbiol. Revs. 2(2): 217-226.	
V	42	GUBLER, U. et al. (1983). "A Simple and Very Efficient Method for Generating cDNA Libraries," (1983) Gene 25: 263-269.	
AAO	43	GUBLER, U. et al. "Second-Strand cDNA Synthesis: Classical Method," (1987) In Methods in Enzymology Volume 152 Guide to Molecular Cloning, Berger, S.L. et al. eds., Academic Press, Inc., San Diego. pp. 325-335.	

Examiner
Signature

Gerald G. Leffers Jr.

Date
Considered

4-9-2005

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Substitute for form 1449B/PTO		Complete if Known			
		Application Number	09/713,545		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	November 15, 2000		
		First Named Inventor	Van Gelder et al		
		Group Art Unit	1636		
		Examiner Name	Gerald G. Leffers Jr., Ph.D.		
Sheet	8	of	16	Attorney Docket Number	112133.00003

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AAJ	44	HAAS, R.C. et al. "Isolation and Characterization of the Gene and cDNA Encoding Human Mitochondrial Creatine Kinase," (1989) J. of Biol. Chem. 264(5): 2890-2897.	
	45	HAGEN, F.S. et al. "Assaying the Quality of cDNA Libraries," (1988) BioTechniques. 6(4): 340-345.	
	46	HEIDECKER, G. et al. "Sequence Analysis of zein cDNAs Obtained by an Efficient mRNA Cloning Method," (1983) Nucleic Acids Res. 11(14): 4891-4906.	
	47	HINTON, D.M. et al. "Bacteriophage T4 DNA Primase-Helicase," (1987) J. of Biol. Chem. 262(22): 10873-10878.	
	48	HOHN, P.A. et al. "Genomic Organization and Chromosomal Localization of the Human Cathepsin G Gene," (1989) J. of Biol. Chem. 264(23): 13412-13419.	
	49	HOLLOMAN, J.D. et al. "HLA-DR Restriction-Fragment-Length Polymorphisms in Narcolepsy," (1987) J. of Neurosci. Res. 18:239-244.	
	50	HORWITZ, M.S.Z. et al. "DNA Sequences of Random Origin as Probes of Escherichia coli Promoter Architecture," (1988) J. of Biol. Chem. 263(29): 14724-14731.	
	51	HUANG, B. et al. "Molecular Cloning of cDNA for Caltractin, a Basal Body-Associated Ca ²⁺ -Binding Protein: Homology in Its Protein Sequence with Calmodulin and the Yeast CDC31 Gene Product," (1988) J. of Cell Biol. 107: 133-140.	
	52	HUBER, H.E. et al. "Interaction of Mutant Thioredoxins of Escherichia coli with the Gene 5 Protein of Phage T7," (1986) J. of Biol. Chem. 261(32): 15006-15012.	
	53	HUBER, H.E. et al. "Escherichia coli Thioredoxin Stabilizes Complexes of Bacteriophage T7 DNA Polymerase and Primed Templates," (1987) J. of Biol. Chem. 262(33): 16224-16232.	
↓ HJC	54	HUBER, H.E. et al. "Human Immunodeficiency Virus 1 Reverse Transcriptase," (1989) J. of Biol. Chem. 264(8): 4669-4678.	

Examiner Signature	<i>Gerald G. Leffers Jr.</i>	Date Considered	4-4-2005
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Substitute for form 1449B/PTO		Complete If Known			
		Application Number	09/713,545		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	November 15, 2000		
		First Named Inventor	Van Gelder et al		
		Group Art Unit	1636		
		Examiner Name	Gerald G. Leffers Jr., Ph.D.		
Sheet	9	of	16	Attorney Docket Number	112133.00003

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JLL	55	JOELS, M. et al. "Unique Properties of Non-N-Methyl-D-Aspartate Excitatory Responses in Cultured Purkinje Neurons," (1989) (PubMed Abstract) Proc. Natl. Acad. Sci. USA 86(9): 3404-3408.	
	56	JOYCE, G.F. "Amplification, Mutation and Selection of Catalytic RNA," (1989) Gene 82: 83-87.	
	57	JOYCE, G.F. "Building the RNA World: Evolution of Catalytic RNA in the Laboratory," (1989) Molecular Biol. of RNA, 361-371.	
	58	KARPEL, R. et al.. "Sequencing of the Gene ant Which Affects the Na ⁺ /H ⁺ Antiporter Activity in Escherichia coli," (1988) J. of Biol. Chem. 263(21): 10408-10414.	
	59	KASSAVETIS, G.A. et al. "Bacteriophage SP6-Specific RNA Polymerase," (1982) J. of Biol. Chem. 257(10): 5779-5788.	
	60	KEOHAVONG, P. et al. "Laboratory Methods: DNA Amplification In Vitro Using T4 DNA Polymerase," (1988) NA 7: 63-70.	
	61	KLEIN, R.D. et al. "Effects of Neighboring DNA Homopolymers on the Biochemical and Physical Properties of the Escherichia coli Lactose Promoter," (1982) J. of Biol. Chem. 257(21): 12954-12961.	
	62	KOTANI, H. et al. "Nucleotide Sequence and Expression of the Cloned Gene of Bacteriophage SP6 RNA Polymerase," (1987) Nucleic Acids Res. 15(6): 2653-2664.	
	63	KRIEG, P.A. et al. "Functional Messenger RNAs Are Produced by SP6 In Vitro Transcription of Cloned cDNAs," (1984) Nucleic Acids Res. 12(18): 7057-7070.	
	64	KRUPP, G. "RNA Synthesis: Strategies for the Use of Bacteriophage RNA Polymerases," (1988) Gene 72: 75-89.	
	65	KRUPP, G. et al. "Simplified In Vitro Synthesis of Mutated RNA Molecules," (1987) Federation of European Biochemical Societies 212(2): 271-275.	

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<i>HL</i>	66	KWOH, D.Y. et al. "Transcription-Based Amplification System and Detection of Amplified Human Immunodeficiency Virus Type 1 with a Bead-Based Sandwich Hybridization Format," (1989) Proc. Natl. Acad. Sci. USA 86: 1173-1177.	<i>Duplicate Reference</i>
<i>HL</i>	67	LAND, H. et al. "5'-Terminal Sequences of Eucaryotic mRNA Can Be Cloned with High Efficiency," (1981) Nucleic Acids Res. 9(10): 2251-2266.	
	68	LANG, K.M. et al. "Cloning Specific Complete Polyadenylated 3'-Terminal cDNA Segments," (1985) Gene 33: 191-196.	
	69	LEVY, A. et al. "Distamycin Paradoxically Stimulates the Copying of Oligo(dA)-Poly(dT) by DNA Polymerases," (1989) Biochemistry 28: 7262-7267.	
	70	LIAO, C. et al. "Molecular Cloning and Expression of a Fifth Muscarinic Acetylcholine Receptor," (1989) J. of Biol. Chem. 264(13): 7328-7337.	
	71	LINDENBAUM, J.O. et al. "The Adenovirus DNA Binding Protein and Adenovirus DNA Polymerase Interact to Catalyze Elongation of Primed DNA Templates," (1986) J. of Biol. Chem. 261(22): 10218-10227.	
	72	LIZARDI, P.M. et al. "Exponential Amplification of Recombinant-RNA Hybridization Probes," (1988) Biotechnology 6: 1197-12202.	
	73	LOEWY, Z.G. et al. "Site-Directed Transcription Initiation with a Mobile Promoter," (1989) Gene 83: 367-370.	
	74	LOMELL, H. et al. "Quantative Assays Based on the Use of Replicable Hybridization Probes," (1989) Clin. Chem. 35(9): 1826-1831.	
	75	LOPEZ-CASILLAS, F. et al. "Heterogeneity at the 5' End of Rat Acetyl-Coenzyme A Carboxylase mRNA," (1989) J. of Biol. Chem. 264(13): 7176-7184.	
<i>HL</i>	76	LU, X. et al. "Construction and Quality of cDNA Libraries Prepared from Cytoplasmic RNA Not Enriched in Poly(A)+RNA," (1988) Gene 71: 157-164.	

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		Group Art Unit	1636		
		Examiner Name	Gerald G. Leffers Jr., Ph.D.		
Sheet	11	of	16	Attorney Docket Number	112133.00003

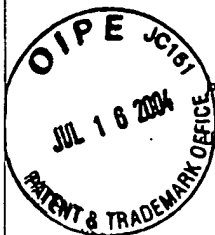
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PPZ	77	LU, X. et al. "Cell Cycle Phase-Specific cDNA Libraries Reflecting Phase-Specific Gene Expression of Ehrlich Ascites Cells Growing in Vivo," (1988) Experimental Cell Res. 174: 199-214.	
	78	MAYR, V. A. "TC-Marker des Attenuierten Vaccinia-Impfstammes "MVA" in Menschlichen Zellkulturen," (1976) Zbl. Vet. Med. B. 23: 417-430.	
	79	MEAD, D.A. et al. "Single-Stranded DNA 'Blue' T7 Promoter Plasmids: A Versatile Tandem Promoter System for Cloning and Protein Engineering," (1986) Protein Engineering 1(1): 67-74.	
	80	MELTON, D.A. et al. "Efficient in vitro Synthesis of Biologically Active RNA and mRNA Hybridization Probes from Plasmids Containing a Bacteriophage SP6 Promoter," (1984) Nucleic Acids Res. 12(18): 7035-7056.	
	81	MIFFLIN, T.E. "Use and Application of Nucleic Acids Probes in the Clinical Laboratory," (1989) Clinical Chemistry 35(9): 1819-1825.	
	82	MILLIGAN, J.E. et al. "In Vitro Transcription of Synthetic DNA Using T7 RNA Polymerase," (1987) In RNA Processing: Abstracts of Papers Presented at the 1987 Meeting on May 13-May 17, 1987. Arranged by Cech, T et al., Cold Spring Harbor Laboratory: Cold Spring Harbor, NY, p.1.	
	83	MILLIGAN, J.F. et al. "Oligoribonucleotide Synthesis Using T7 RNA Polymerase and Synthetic DNA Templates," (1987) Nucleic Acids Res. 15(21): 8783-8798.	
	84	MILLIGAN, J.F. et al. "Synthesis of Small RNAs Using T7 RNA Polymerase," (1989) Methods In Enzymol. 180: 51-62.	
	85	MILNER, R.J. et al. "Gene Expression in Rat Brain," (1983) Nucleic Acids Res. 11(16): 5497-5520.	
	86	MOTOYAMA, M. et al. "Restriction Fragment Length Polymorphism in Canine Narcolepsy," (1989) Immunogenetics 29: 124-126.	
PPZ	87	MURAKAWA, G.J. et al. "Laboratory Methods - Direct Detection of HIV-1 RNA from AIDS and ARC Patient Samples," (1988) DNA 7(4): 287-295.	

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Sheet	12	of	16
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		First Named Inventor	Van Gelder et al
		Group Art Unit	1636
		Examiner Name	Gerald G. Leffers Jr., Ph.D.
		Attorney Docket Number	112133.00003

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AKZ	88	NAKAI, H. et al. "Interactions of the DNA Polymerase and Gene 4 Protein of Bacteriophage T7," (1986) J. of Biol. Chem. 261(32): 15208-15216.	
	89	NAKAI, H. et al. "Dissection of RNA-Primed DNA Synthesis Catalyzed by Gene 4 Protein and DNA Polymerase of Bacteriophage T7," (1986) J. of Biol. Chem. 261(32): 15217-15224.	
	90	NAKAI, H. et al. "Leading and Lagging Strand Synthesis at the Replication Fork of Bacteriophage T7," (1988) J. of Biol. Chem. 263(20): 9818-9830.	
	91	NAKAI, H. et al. "The Effect of the T7 and Escherichia coli DNA-Binding Proteins at the Replication Fork of Bacteriophage T7," (1988) J. of Biol. Chem. 263(20): 9831-9839.	
	92	NOMA, Y. et al. "Cloning of cDNA Encoding the Murine IgG1 Induction Factor by a Novel Strategy Using SP6 Promoter," (1986) Nature 319: 640-646.	
	93	O'MALLEY, K. et al. "Constitutively Expressed Rat mRNA Encoding a 70-Kilodalton Heat-Shock-Like Protein," (1985) Molecular and Cellular. Biol. 5(12): 3476-3483.	
	94	OHARA, O. et al. "One-Sided Polymerase Chain Reaction: The Amplification of cDNA," (1989) Proc. Natl. Acad. Sci. USA 86: 5673-5677.	
	95	OKAYAMA, H. et al. "High-Efficiency Cloning of Full-Length cDNA," (1982) Molecular and Cellular. Biol. 2(2): 161-170.	
	96	OKAYAMA, H. et al. "A cDNA Cloning Vector that Permits Expression of cDNA Inserts in Mammalian Cells," (1983) Molecular and Cellular. Biol. 3(2): 280-289.	
	97	PALAZZOLO, M.J. et al. "A Family of Lambda Phage cDNA Cloning Vectors, ?SWAJ, Allowing the Amplification of RNA Sequences," (1987) Gene 52: 197-206.	
AKZ	98	POLITES, H.G. "An Improvement and Simplification in the Gubler-Hoffman Method of cDNA Synthesis," (1988) BioTechniques 6(8): 720-724.	

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AWZ	99	PORTELA, A. et al. "A Polymer Vector System That Allows Temperature Dependent Gene Amplification and Expression in Mammalian Cells: Regulation of the Influenza Virus NS1 Gene Expression," (1985) Nucleic Acids Res. 13(22): 7959-7977.	
	A	PRUITT, S.C. "Expression Vectors Permitting cDNA Cloning and Enrichment for Specific Sequences by Hybridization/Selection," (1988) Gene 66: 121-134.	
	B	PUTNEY, S.D. et al. "A New Troponin T and cDNA Clones for 13 Different Muscle Proteins, Found by Shotgun Sequencing," (1983) Nature 302: 718-721.	
	C	RABKIN, S.D. et al. "Initiation of cDNA Replication at Cloned Origins of Bacteriophage T7," (1988) J. Mol. Biol. 204: 903-916.	
	D	SAIKI, R.K. et al. "Primer-Directed Enzymatic Amplification of DNA with a Thermostable DNA Polymerase," (1988) Science 239: 487-491.	
	E	SANGER, F. et al. "DNA Sequencing with Chain-Terminating Inhibitors," (1977) Proc. Natl. Acad. Sci. USA 74(12): 5463-5467.	
	F	SARGENT, T.D. "Isolation of Differentially Expressed Genes," (1987) In Methods in Enzymology Volume 152 Guide to Molecular Cloning, Berger, S.L. et al. eds., Academic Press, Inc., San Diego. pp. 423-432.	
	G	SARKAR, G. et al. "RNA Amplification with Transcript Sequencing (RAWTS) ," (1988) Nucleic Acids Res, 16(11): 5197.	
	H	SARKAR, G. et al. "Access to Messenger RNA Sequence or Its Protein Products Is Not Limited by Tissue or Species Specifically," (1989) Science 244: 331-334.	
	I	SASAVAGE, N.L. et al. "Nucleotide Sequence of Bovine Prolactin Messenger RNA," (1982) J. of Biol. Chem. 257(2): 678-681.	
AWZ	J	SCHOWALTER, D.B. et al. "The Generation of Radiolabeled DNA and RNA Probes with Polymerase Chain Reaction," (1989) Analytical Biochem. 177: 90-94.	

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Sheet

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AAZK		STOFLET, E.S. et al. "Genomic Amplification with Transcript Sequencing," (1988) Science 239: 491-494.	
	L	STRUHL, K. "Naturally Occurring Poly(dA-dT) Sequences are Upstream Promoter Elements for Constitutive Transcription in Yeast," (1985) Proc. Natl. Acad. Sci. USA 82: 8419-8423.	
	M	STUDIER, F.W. et al. "Use of Bacteriophage T7 RNA Polymerase to Direct Selective High-Level Expression of Cloned Genes," (1986) J. Mol. Biol. 189: 113-130.	
	N	SUGIMOTO, K. et al. "Relative Roles of T7 RNA Polymerase and Gene 4 Primase for the Initiation of T7 Phage DNA Replication In Vivo," (1987) Proc. Natl. Acad. Sci. USA 84: 3977-3981.	
	O	SWANSTORM, R. et al. "Nucleotide Sequence of Cloned Unintegrated Avian Sarcoma Virus DNA: Viral DNA Contains Direct and Inverted Repeats Similar to Those in Transposable Elements," (1981) Proc. Natl. Acad. Sci. USA 78(1): 124-128.	
	P	TABOR, S. et al. "A Bacteriophage T7 RNA Polymerase/Promoter System for Controlled Exclusive Expression of Specific Genes," (1985) Proc. Natl. Acad. Sci. USA 82: 1074-1078.	
	Q	TABOR, S. et al. "Escherichia coli Thioredoxin Confers Processivity on the DNA Polymerase Activity of the Gene 5 Protein Bacteriophage T7," (1987) J. of Biol. Chem. 262(33): 16212-16223.	
	R	TABOR, S. et al. "Selective Inactivation of the Exonuclease Activity of Bacteriophage T7 DNA Polymerase by in Vitro Mutagenesis," (1989) J. of Biol. Chem. 264(11): 6447-6458.	
	S	TECOTT, L.H. et al. "In Situ Transcription: Specific Synthesis of Complementary DNA in Fixed Tissue Sections," (1988) Science 240: 1661-1664.	
	T	TECOTT, L.H. et al. "Developmental Expression of Proenkephalin mRNA and Peptides in Rat Striatum," (1989) Developmental Brain Res. 49: 75-86.	
AAZ	U	THOMPSON, J.D. et al. "Enzymatic Amplification of RNA Purified from Crude Cell Lysate by Reversible Target Capture," (1989) Clin. Chem. 35(9): 1878-1881.	

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Gerald G. Leffers Jr.

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AV2	V	VALENTINO, K.L. et al. "Distribution of Neuropeptide K-Immunoreactivity in the Rat Central Nervous System," (1986) Peptides 7: 1043-1059.	
	W	VOLCKAERT, G. et al. "Molecular Mechanisms of Nucleotide-Sequence Rearrangements in cDNA Clones of Human Fibroblast Interferon mRNA," (1981) Gene 15: 215-223.	
	X	VON SASTROW, M. et al. "Ammonium Chloride Alters Secretory Protein Sorting within the Maturing Exocrine Storage Compartment," (1989) J. of Biol. Chem. 264(11): 6566-6571.	
	Y	WAIN-HOBSON, S. et al. "Nucleotide Sequence of the AIDS Virus, LAV," (1985) Cell 40: 9-17.	
	Z	WEIER, H-U, et al. "Generation of Labeled RNA Probes from Enzymatically Amplified DNA Templates," (1988) Nucleic Acids Res. 16(24): 11836.	
	A1	WEILAND, J.J. et al. "Infections TYMV RNA from Cloned cDNA: Effects In Vitro and In Vivo of Point Substitutions in the Initiation Codons of Two Extensively Overlapping ORFs," (1989) Nucleic Acids Res. 17(12): 4675-4687.	
	A2	WILSON, E.M. et al. "Expression Vector pT7: TKII for the Synthesis of Authentic Biologically Active RNA Encoding Vaccinia Virus Thymidine Kinase," (1989) Gene 77: 69-78.	
	A3	WU, D.Y. et al. "The Ligation Amplification Reaction (LAR) - Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependent Ligation," (1989) Genomics 4: 560-569.	
	A4	YOOL, A.J. et al. "Development of Spontaneous and Glutamate-Evoked Activity Is Altered by Chronic Ethanol in Cultured Cerebellar Purkinje Neurons," (1987) (PubMed Abstract) Brain Res. 420(2): 205-219.	
	A5	YOOL, A.J. et al. "Developmental Changes in K ⁺ Selective Channel Activity During Differentiation of the Purkinje Neuron in Culture," (1988) (PubMed Abstract) J. Neurosci. 8(6): 1971-80.	
V AV2	A6	ZAIA, J.A. et al. "Confirmation of HIV Infection Using gene Amplification," (1989) Transfusion Medicine Reviews 3(1 Supp. 1): 27-30.	

Examiner Signature		Date Considered	4-4-2005
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 16 of 16

Complete if Known

Application Number	09/713,545
Filing Date	November 15, 2000
First Named Inventor	Van Gelder et al
Group Art Unit	1636
Examiner Name	Gerald G. Leffers Jr., Ph.D.
Attorney Docket Number	112133.00003

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ADJ	A7	TEXTBOOK: ALBRETS, B. et al. eds. Molecular Biology of the Cell, Second Edition, (1989) Garland Publishing, Inc., New York.	
	A8	TEXTBOOK: BERGER, S.L. et al. eds. Methods in Enzymology Volume 152 Guide to Molecular Cloning, (1987) Academic Press, Inc., San Diego.	
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	B1	TEXTBOOK: SAMBROOK, et al. eds. Molecular Cloning A Laboratory Manual, Second Edition, (1989) Cold Spring Harbor Laboratory Press, USA.	
	B2	TEXTBOOK: WATSON, J.D. et al. eds. Molecular Biology of the Gene, Fourth Edition, Vol. I General Principles, (1987) The Benjamin/Cummings Publishing Company, Inc. Menlo Park.	
	B3	TEXTBOOK: WATSON, J.D. et al. eds. Molecular Biology of the Gene, Fourth Edition, Vol. II Specialized Aspects, (1987) The Benjamin/Cummings Publishing Company, Inc., Menlo Park.	
ADJ	B4	AUGENLICHT, L.H. et al, "Cloning and Screening of Sequences Expressed in a Mouse Colon Tumor", (1982) Cancer Research 42: 1088-1093.	

Examiner Signature	<i>Gerald G. Leffers Jr.</i>	Date Considered	4-4-2005
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